

Fan:
 Make- *Eurusfan*
 Model- *VFA2-50HF-E3IM-CR*
 Blade dia.- *51.0"*
 Orifice dia.- *51.6"*

Motor:
 Make- *Eurusdrive*
 Model- *YFE3-100L3B-8BX*
 KW *1.5*
 RPM- *705*
 Volts- *200V*
 Amps- *8.6A*
 Hz- *50*
 Phase- *3*
 S. F.- *1.15*

Shutter:
 Material- *PVC*
 # Doors- *16 per column*
 # Columns- *3*
 Door length- *17.6"*
 Location- *Intake*

Blade:
 Number- *3*
 Shape- *Propeller*
 Material- *Poly*
 Pitch- *-*
 Clearance- *0.3"*

Housing:
 Material- *Fiberglass*
 Intake area- *54"x54"*
 Discharge- *51.6"*
 Depth- *22.5"*

Guards:
 Description- *Wire*
 Spacing- *4 concentric*
 Location- *Exhaust*

Drive Sheaves:
 Drive dia.- *Direct*
 Axle dia.- *Drive*

Discharge Cone:
 Depth- *32.3"*
 Minor dia.- *51.8"*
 Major dia.- *61"*

Notes:

Test Conditions:

T(wb): 74.84 23.8
 T(db): 83.48 28.6 Barometric pressure, recorded 29.97 101500

Static Pressure		Airflow				
(in.H2O)	(cfm)	rpm	Volts	Amps	Watts	cfm/Watt
0.00	34130	711	200.0	8.01	1812	18.8
0.05	32880	709	199.9	8.18	1898	17.3
0.10	31730	708	199.9	8.36	1970	16.1
0.15	29990	707	199.8	8.50	2029	14.8
0.20	28310	705	200.0	8.59	2068	13.7
0.25	26080	704	200.0	8.68	2107	12.4
0.30	23840	703	199.9	8.73	2127	11.2

Static Pressure		Airflow	
(Pa)	(m³/h)	(m³/h)	Watt
0	58020		32.0
12.5	55900		29.5
25	53940		27.4
37.5	50990		25.1
50	48130		23.3
62.5	44340		21.0
75	40520		19.1